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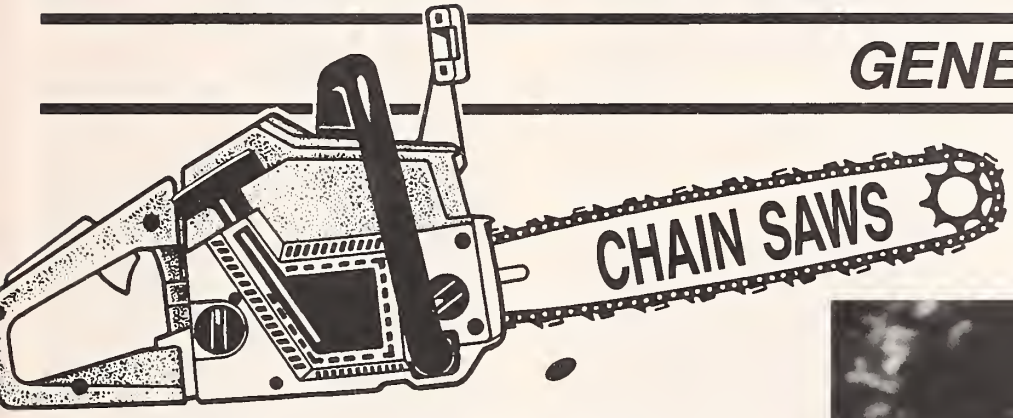
# Intermountain Reporter

United States Department of Agriculture • Forest Service • Intermountain Region • Ogden, Utah • SEPTEMBER 1990

## GENERAL INTEREST




# & Flying Chips

One hundred and nine workers from the Manti-La Sal National Forest, Utah Section of the Society for Range Management (SRM), Utah Division of Wildlife Resources, and Intermountain Research Station combined forces at the Great Basin Experimental Range, east of Ephriam, on July 13-14 to preserve some of the oldest range research sites in the world.

Chain saws roared and chips flew as they sawed and chopped notches to fit logs together into new grazing exclosure fences, replacing old fences designed to protect permanently located study sites from sheep and cattle. Teams of six to eight workers laboriously maneuvered the awkward green logs into place. When the heavy logs fit properly in the notches, sledge hammer-swinging scientists, college professors, and engineers pinned them in place with huge spikes, using the same primitive skills and tools used to construct the first protective barriers 78 years earlier.

"The Great Basin Station studies are important to the Forest Service because of the variety of closely interconnected and valuable information they contain," says project organizer Steve Monsen in referring to the study sites, some of which have been protected from domestic grazing since 1912. "What better place to learn about the potential of vegetation changes resulting from global climate change?" asks Monsen, a Botanist with the Intermountain Station's Provo Shrub Sciences Laboratory, in describing the value of the study data collected there over more than 70 years.

Arthur W. Sampson, the first Range Ecologist employed by the Forest Service and one of the founders of the science of range management, built the first grazing exclosures at the Great Basin Station even before constructing a place to live. After building the exclosures, he mapped "quadrat" plots both inside the exclosures and outside in the grazed areas to document the plant composition and amount of bare soil. The Station was established on the Wasatch Plateau following devastating floods near the turn of the century that filled the streets of nearby Ephriam and Manti with mud and boulders.

*In the forefront is Steve Monsen, a Botonist at the Intermountain Station's Provo Shrub Sciences Laboratory. Steve and Joel Frandsen organized this project. The young man with the saw is unidentified.*

# GENERAL INTEREST

By 1989 the old log-and-block exclosure fences were so rotten and dilapidated, it was obvious that after one more winter's snow load there wouldn't be enough fence left standing to keep livestock out. If livestock grazed the protected areas, 78 years of accumulated information would be damaged. But neither the Manti-La Sal National Forest or the Intermountain Station had funding to replace the fences. Forest Branch Chief Joel Frandsen, who is also president of the Utah Section of SRM, and Monsen collaborated to rebuild the oldest exclosures with volunteers from the Forest, Station and SRM.

"Sampson was a true ecologist," Monsen says, describing how each exclosure, built at a specific elevation, is tied to a climatological station that records weather data for the site. He adds that Sampson started some of the first range phenology, or plant development, studies that correlated with both elevation and weather patterns. Monsen explains that exclosures are controls, or comparison areas, for many related research projects, including watershed reclamation and range revegetation.

Frandsen and Monsen divided the volunteers into three groups with leaders, each assigned to a different exclosure. Work started with a safety meeting and as new volunteers arrived Frandsen handed them a hard hat and gave the safety meeting over again.

By evening an accident-free but tired crew returned to the old Great Basin headquarters for a feast of dutch oven-roasted lamb.

Fresh reinforcements from the Society arrived the second day including professionals from the Bureau of Land Management, the Soil Conservation Service, and Brigham Young University. They injected additional hybrid vigor to the work force. By mid-afternoon, five exclosures stood completed, ready to defend the research sites from the onslaught of thousands of domestic sheep already trailing towards their high summer range.

Grinning in spite of the blisters and sore muscles, volunteers said goodbye with talk of next year and more decayed exclosures waiting on the mountain.

Dave Tippetts
Intermountain Research Station

*Using a sledge hammer and huge spikes, Debbie Evans, Engineering Technician, Manti-La Sal Supervisor's Office, pins the heavy logs in place.*

*Caring about the National Forests are not empty words for Forest Service retiree Frank Jensen who volunteers to work on this project.*

*Yo ho heave ho. On the left is Paul Skabelund, Uinta National Forest; Dr. Laurence Lassen, Director of the Intermountain Research Station, and volunteers from the Bureau of Land Management Range Staff in Richfield, Utah. Carrying their share of the load on the right side of the log are John Valentine, Professor of Range Management at Brigham Young University; Joel Frandsen, Branch Chief of Range, Wildlife and Watershed Management, Manti-La Sal National Forest and the son of Sanpete District Ranger Tom Shore, Manti-La Sal National Forest.*

# Conservation Movement Origins

*—This is the third miniature history of early conservation movements which led to creation of the federal forest reserves. Last month's history, "Forests, Parks, and State Forestry," focused on state actions. Here we trace conceptual origins of the conservation movement of the early 20th century.*

Dr. John A. Warder, first president of the American Forestry Association, is credited with first using the word "conservation" to mean the protective management of forests and associated natural resources (in the United States). Warder was a horticulturalist and fruit grower by avocation. While attending a meeting of the American Pomological Society in September 1875 in Chicago, he called an organizational meeting of the new American Forestry Association (AFA). At the Association's second meeting, Warder stated that one purpose of AFA was the "fostering of forest planting and conservation."

Even earlier, George P. Marsh had expressed the concept but not the term itself. Three other 19th-century philosopher-scientists provided the theoretical framework for the conservation movement of the early 20th century: John Wesley Powell, Lester Frank Ward, and William J. McGee. Their basic message was that a balance existed in nature which humans needed to respect in developing and managing natural resources. Application of this theory was focused on watershed management since forested basins influenced water flow which was essential to irrigation, navigation, water power, and potable water. Forest reserves and reservoir construction were needed to properly manage watersheds for those four uses.

All four theoreticians of the conservation movement grew up in rural areas and were devoted to nature study in their youth. Self-trained in various natural sciences, they synthesized their observations in creating an "ecological" theory of resource management. Marsh went on to write, "Man and Nature," while Powell explored the Grand Canyon as a geologist and in 1881 became the director of the U.S. Geological Survey (USGS). Also employees of USGS, Ward worked in paleontology and McGee in ethnography and policy.

Marsh, Ward and McGee influenced Powell's survey of arid lands in the West and his Report on Arid Lands of the United States, wherein he argued for new land use policies and agencies to ensure viable settlement of these fragile lands. He resigned in 1894 when Congress restricted his proposed program for management of these lands. Yet his influence continued to shape policy; the 1902 Reclamation Act is an example. Powell's message was that humans and nature were interdependent. He advocated cooperative planning by both public and private sectors to ensure the efficient and lasting uses of resources.

McGee helped Gifford Pinchot organize and formally launch the conservation movement at the 1908 Governors' Conference on the Conservation of Natural Resources. Neither claimed to have originated the conservation concept since the ideas on forestry, irrigation, and conservation sprang from many sources including: Charles Sprague Sargent, founder and editor of Garden and Forest magazine, and author of Report on the Forests of North America (1884) for the Tenth Census, a first major national survey of forest conditions; John Muir of Sierra Club fame; and George B. Grinnell who in 1876 was editor of the Forest and Stream magazine and had a quiet but effective influence on pioneer legislation affecting National Parks, National Forests, and wildlife. His advocacy for forest reserves stemmed from an interest in wildlife. He was the founder of the Audubon Society of New York in 1886 and later served for 26 years as the director of the subsequently created national chapter. He was also a founding member of the Boone & Crockett Club in 1887. President Theodore Roosevelt was a member of that club and he enrolled Gifford Pinchot.

Thus the streams and eddies of personal and intellectual contacts among many different lives were connected by the concept of conservation. Not until the revival of conservation in the 1960's, in the guise of ecology, did the holistic thinking of people like Marsh and Powell return to the world of science in regard to natural resources.

History Unit
Washington Office

# Regional Forester's Message

There have been questions about the advisability of holding an R-4 Symposium with the cloud of sequestration and possible budget reductions still unresolved. We believe that after all the dust of sequestration has settled and we receive our FY 1991 budget, it will probably be near the FY 1990 level. The Planning Team has put together an excellent agenda and we believe it prudent to move forward with plans for the Symposium, realizing that the final decision to hold or postpone it won't be made until the 1991 budget is received.

TQM teaches us we are each other's customers. As a customer, I would like to share with you my expectations for the R-4 Symposium in St. George, Utah, on December 10-14, and encourage you to share your expectations with me. My hope is that the Symposium will achieve:

1. Lots of good information sharing and new and strengthened personal relationships.

2. A positive atmosphere with all attendees striving to get the maximum good from this investment.

3. New avenues for full participation in the new and exciting movements that are reshaping and strengthening the Forest Service: New Perspectives, RPA, Total Quality Management, and Integrated Resource Management. We need to be players, not spectators.

4. A better understanding of our heritage and values that can become our foundation for growth into a new era. The 1991 Centennial celebration can be a focus on our early history.

5. Synergism by bringing together many functions and specialties to share ideas. The Symposium is an experiment. Instead of the myriad of functional meetings we usually have during the year, we are trying something different. It may or may not be the way we do professional meetings in the future. Several other Regions have held big meetings but, until now, Region 4 has not. We have been fairly conservative. Now, we want to draw a diverse group together, with the best agenda and speakers we can arrange, and then evaluate the results.

6. The chance to measure progress on earlier initiatives. At the Symposium, there will be summaries on work started at our Womens Conference in Boise, the Minorities and Disabilities Conferences, Rangers Meeting and other Region 4 efforts in the mid-80's. Rapidly changing times, growth in challenges and problems and increasing workloads suggest it might be a good time to stop and mark a few milestones; to evaluate what we have accomplished.

7. A Regionwide "shot in the arm." Forests have chosen Symposium delegates who are information sharers that will carry back to the people they work with the ideas and information gained during this 5-day experience. Delegates will have a video, photo record and other communication tools to help share the happenings. We are determined to keep this from being just another "black box" meeting where a few go off and meet, but nothing is ever shared or changed when the meeting is over.

Obviously, space limits the number of people who can attend the Symposium. Just bringing together 500 people is a major feat. But, everyone will be affected if those 500 do their job when they return. If you have questions about the Symposium, feel free to contact the Symposium Planning Team members or send a note to one of the Deputies or me.

Stan

J. S. TIXIER
Regional Forester

## REGION 4 SYMPOSIUM PLANNING TEAM

**JOHN BURNS, Salmon National Forest Supervisor—Team Leader**

**GRANT MORTENSEN, Regional Office, Personnel Management—Project Manager**

**A. J. SKEEN, Regional Office, Personnel Management**

**GARY ALLEN, Payette National Forest**

**GLENNA PREVEDEL, Regional Forester's Office**

**KATHY LUCICH, Idaho City District Ranger, Boise National Forest**

**ROLLIE SAYLOR, Regional Office, Timber Management**

**CHUCK BUTTS, Regional Office, Administrative Services**

**LYNDA ROBISON, Regional Office, Public Affairs Office**

**BEN SIMINOE, Range, Watershed and Wildlife Staff Officer, Humboldt National Forest**

**GUY PENCE, Carson City District Ranger, Toiyabe National Forest**

**HUGH THOMPSON, Dixie National Forest Supervisor**

**STEVE SAMS, Flaming Gorge District Ranger, Ashley National Forest**

**DAVE BLACKNER, Director, Total Quality Management**

**BARBARA RATE, Regional Office, Administrative Services**

**LEE STEWART, Regional Office, Personnel Management**

**TOM CONTRERAS, Pine Valley District Ranger, Dixie National Forest**

**CHUCK JONES, Jackson District Ranger, Bridger-Teton National Forest**

# African Engineers Visit R-4

African and Intermountain American cultures got together this summer using the Queen's English. Sound odd? Well, that quite accurately describes the month that four West African engineers were in Region 4 learning about low volume roads.

Messrs. Solomon Atiase, USAID, Cote d'Ivorie (we know it as the Ivory Coast); Bashure L.T. Sakibu, Director, and James A. Ashley and Daniel D. Darku, Acting Regional Engineers, all three employees of the Department of Feeder Roads in Ghana, arrived in the United States early in June.

*Solomon Atiase is one of four West African engineers to visit Region 4.*

The "African Engineers," as they became known, traveled over 3,500 miles on the Boise, Payette, Humboldt, Uinta, Dixie, Wasatch and Ashley National Forests. In addition, they attended a 2-day Timber Bridge Symposium and spent 2 days at the Geometronics Service Center in Salt Lake City.

David Neeley from the Regional Office was the chief tour guide. He said it took lots of concentration at first to understand the Queen's English. "We knew all the words but inflection differences mixed with dialects distorted them so recognition was sometimes difficult. The Africans seemed to have no difficulty understanding us," Dave said. He commented that it was especially interesting that all engineering terms were the same for both cultures.

The Africans could not get over the enormity of the open spaces of the West. Cote D'Ivoire and Ghana are each about the size of Utah. Traveling freeways and major highways seemed to be a welcome change to them. The lack of maintenance during a 3-year political coup in Ghana in the early 1980's allowed vegetation to close local roads in that tropical country. What the "African Engineers" learned here about low volume roads will help as they try to build new roads in Ghana.

According to Dave, the Africans especially enjoyed staying at Wapiti Meadows Ranch on Johnson Creek, Payette National Forest. There the deer were almost like pets and allowed close contact. Three of the Africans had never seen snow and none seemed to like it. Being hit by a snowball on Bountiful Peak and feeling falling snowflakes at Lowman were new experiences that were not totally appreciated.

The Africans expressed thanks to all in the Region who made their trip informative, interesting and enjoyable. They came close to "knowing all they ever wanted to know about" low volume roads in Region 4.

# Mineral Withdrawal Review Completed

It took over six years and a lot of work, but Region 4 has now reviewed all its mineral withdrawals and made recommendations to the Bureau of Land Management (BLM) about retention. The process began in FY 1983 and was completed in FY 1990.

R. J. Newman, Recreation and Lands in the Regional Office, provided overall program and technical leadership to Forest and District personnel who prepared the reports. Since all Forests participated, a lot of folks were involved in bringing this project to a successful conclusion.

The Region has 349 withdrawals covering 1,368 sites and 360,650 acres. Sites per Forest ranged from 40 on the Manti-La Sal to 189 on the Payette. Based on our review, we recommended to the BLM that withdrawals on 1,003 sites (236,544 acres) be relinquished. This is 73.3 percent of the sites and 65.6 percent of the acres involved. The remaining 365 sites (124,106 acres) were recommended for retention by the Forest Supervisors to protect: areas with extensive federal improvements, areas having unique and significant natural and cultural resources, and areas having other significant public values that could not be mitigated if mineral extraction were permitted.

The BLM will consider Forest Service recommendations in preparing its report to the Secretary of Interior. Notations in the report about our concurrence or non-concurrence will be carried forward to the President and and in the subsequent report to Congress. All work on the review process will be completed by October 21, 1991.

The Forest Service was one of several federal land managing agencies asked to assist the BLM in meeting requirements of the Federal Land Policy and Management Act of October 21, 1976. Section 204(l) gave the Secretary of Interior 15 years from the passage of the Act to review all withdrawals closing federal lands to appropriation under the Mining Law of 1872 and/or the Mineral Leasing Act of 1920 in the 11 western states. Some exceptions from the review requirements which affected the National Forests were Wilderness Areas, Wild and Scenic Rivers, National Recreation Areas, and the National Trails System. In these areas, Forest Service withdrawals which overlapped with legislative withdrawals were recommended for relinquishment.

# Disciples of Wilderness Principles

*(This is a sequel to "Blisters and Calluses for the Leadership Team" by Mike Gryson in the June/July issue of the Intermountain Reporter.)*

A few years ago, a violent tornado devastated a vast sweep of mature, spruce-fir forest in the Teton Wilderness. Large trees were tumbled, twisted, and stacked on the ground. In many places, the jumble of trees were piled 12 feet high. Trails were blocked. Horses and people could not move across this band of destruction that extended for 10 miles. The distribution of use within the Wilderness was seriously affected. One trailhead became essentially useless.

Looking at the mass of downed trees, it was easy to make the assumption that chain saws were the only practical means to clear a passage. But John Baglien, District Ranger, and his staff are dedicated to the principles of Wilderness management and the use of primitive tools and skills. Applying those principles to this job would take untold person hours and there were limited District resources to do the job. John decided to recruit volunteers.

Volunteer groups were willing to tackle the task, but had not seen the virtual wall of trees they would need to saw and move to make the needed trail passage. John did not want volunteers to become discouraged when they arrived on the job. He wanted a group that could demonstrate that this seemingly impossible job could be done. A vanguard group was needed to demonstrate success and provide inspiration.

John needed some experienced woods workers whose careers have been spent accomplishing difficult jobs. Now, who fits that description better than the Intermountain Region's Leadership Team? Why not ask them? Forest Supervisor Brian Stout sent out the word. Come to the Teton Wilderness for a work detail. Bring your spouse as additional help. Be prepared to camp and to work long hours.

Some thought it was a boondogle. Some thought it wouldn't work. Some volunteered.

On Thursday, July 12, a group of determined people arrived at the trailhead ready for the several hour trip to the camp. They were Forest Supervisor George Morris and his wife, Ginny; Regional Planning and Budget Director John Butt and his wife, Gail; Forest Supervisor Paul Nordwall and his son, David; Regional Wildlife and Fisheries Director Bill Burbridge and his wife, Barbara; Forest Supervisor Ron Stoleson and his wife, Maureen; Forest Supervisor Brian Stout and wife, Iris. John Baglien was the Camp and Crew Boss.

It was late afternoon when they arrived at camp. After caring for horses and pitching tents, they were anxious to get to work. It was about a half mile to the place where work would begin. They could see the effects of the tornado from camp and all were eager to get started. When they arrived at the orange flag which marked the beginning, discouragement reared its ugly head. A tangle of downed trees several feet high extended as far as they could see. Paul Nordwall climbed up on a pile that put him 10 feet off the ground. He just shook his head. Then they went to work. Crosscut saws—misery whips—and axes were the only tools. Sawing, chopping, sweating and swearing, they made little progress. There simply wasn't room for all hands to contribute effectively. After more than an hour, they had made an indentation. Back to camp. A hot meal and bed on the ground felt good to the weary and somewhat discouraged crew.

As the sun crested the mountain about 6 a.m., the crew was up getting breakfast, sharpening tools, and getting ready to go to work. They did with a vengeance. With everyone working hard, the passageway extended into the tangle of trees. Women and men took turns on the handles of the misery whips. Moving the length of logs out of the trail was demanding but accomplished. An axe handle broke. An old knee injury cried out in pain. They stayed with it until late afternoon.

John Baglien's goal was to cut through about 1/3 mile to a small meadow that would make a suitable camp for the next volunteer crew. The final 50 feet was the most demanding. Large trees criss-crossed the way. They broke through. The goal was accomplished. Only light cleanup remained.

My wife, Beverly, and I arrived in camp about noon on Saturday. John Butt limped up and welcomed us to the deserted camp. He said everyone was at Two Ocean pass. He pointed out the general direction, mounted one of our horses and left to join the others. Beverly and I settled into camp and then scouted to find the work area. After walking about three miles toward Enos Lake, we gave up and came back to camp. When the crew returned, there was some good natured, at least I think it was, kidding about "where were you when there was work to be done." Then several of us went to inspect the accomplishment.

The pride and satisfaction was evident when they showed Bev and I the work they had done. It was totally awesome. They had cleared a trail about 12 feet wide with a virtual wall of sawn ends on either side. To say I was impressed is a major understatement. I would have been impressed if a crew of smokejumpers or an elite hot shot crew had done this in two days with chain saws.

On Tuesday, July 17, a volunteer crew of the Student Conservation Association was scheduled to arrive at the new camp in the small meadow in the middle of the blow-down. They will travel through the corridor cleared by members of the Intermountain Region's Leadership Team. They will be challenged to accomplish as much, but they will be confident the job can be done with primitive tools because a crew of experienced and dedicated woods workers prepared the way.

***Tough jobs can be done in Wilderness using primitive skills. Forest Service people can show the way. My hat is off to a rightfully proud crew for a truly magnificent effort.***

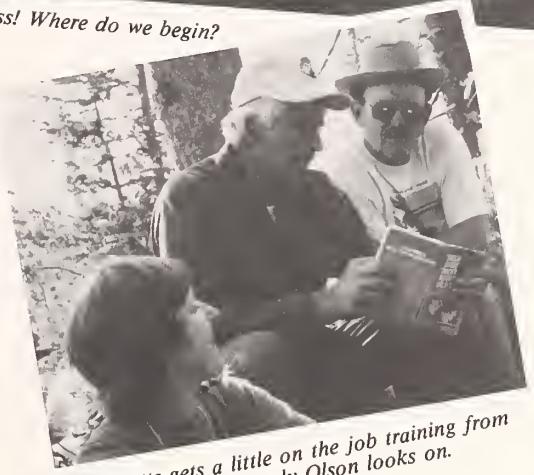
George Olson
Director of Recreation and Lands

# RO NEWS

*Saddled up.*

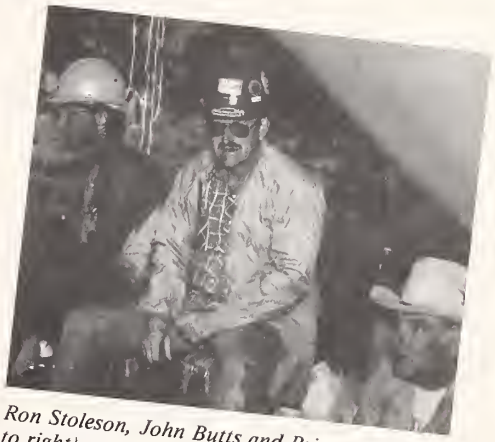
*What a mess! Where do we begin?*

*Headed toward the worksite.*

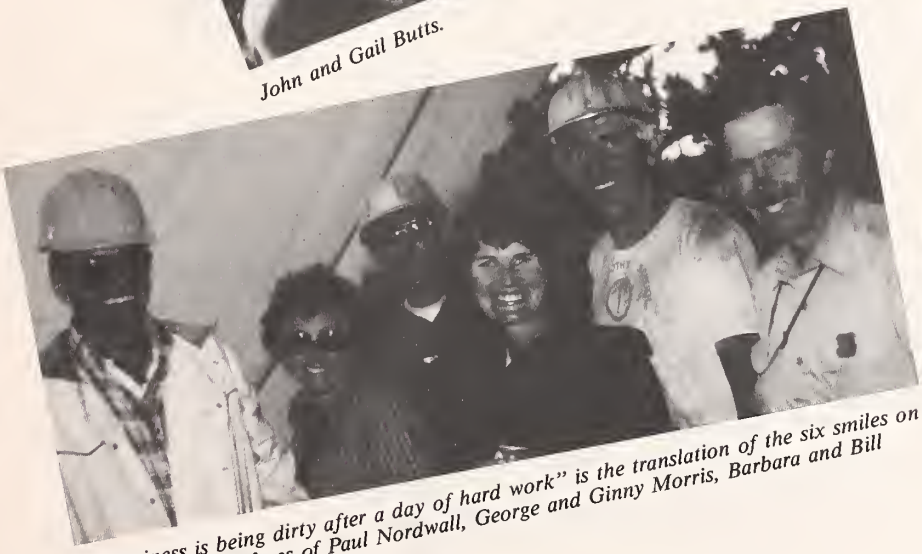


*John Butts gets a little on the job training from Bill Burbridge as Beverly Olson looks on.*

*John and Gail Butts.*



*Ron Stoleson, John Butts and Brian Stout (left to right) are ready to call it quits for the day.*



*"Happiness is being dirty after a day of hard work" is the translation of the six smiles on (left to right) the faces of Paul Nordwall, George and Ginny Morris, Barbara and Bill Burbridge and John Baglien.*

# Washington Office Names "New Perspectives" Head

**WASHINGTON, DC, August 8 -** Dr. Hal Salwasser, a Forest Ecologist and 12-year veteran of the Forest Service, has been named by Forest Service Chief F. Dale Robertson to direct New Perspectives, a project designed to bring greater environmental sensitivity to management on the National Forests.

***According to Chief Robertson, "The goal of the project is to sustain healthy, diverse, and productive forests and rangelands while providing people access to their abundant natural resources."***

The Chief also announced the selection of three Assistant Directors: Jim Caplan from Jackson, Wyoming, will handle communications; Charles W. "Chip" Cartwright, Jr. from Roanoke, Virginia, is assigned environmental conservation; and Dr. Winifred Kessler from Logan, Utah, will be over research and development.

Dr. Salwasser's most recent position was Deputy Director of Wildlife and Fisheries in our Washington Office. He has also been a Wildlife Ecologist in Washington, DC, and at the Pacific Southwest Region in California.

Prior to beginning his career with the Forest Service, Dr. Salwasser was a research associate at the University of California/Berkeley. He currently also serves as adjunct professor at Virginia Polytechnic Institute and State University. Salwasser received his bachelor's degree in biology from Fresno State University and his Ph.D. in wildland resource science from the University of California/Berkeley.

Caplan comes to Washington from the Bridger-Teton National Forest in Jackson, Wyoming, where he was Supervisory Land Use Planner. His previous positions were in the Forest Service Regional Offices in Juneau, Alaska, and Milwaukee, Wisconsin. He has a bachelor's degree in political science and a master's in planning from the University of Wyoming.

Cartwright was selected from his present position as Forest Supervisor of the Jefferson National Forest in Roanoke, Virginia. His positions with the Forest Service include several in the State of Washington, the Forest Service Regional Office in Utah, and an appointment as Special Assistant to the Deputy Chief for the National Forest System in Washington, DC. Cartwright has a bachelor's degree in forestry and wildlife management from Virginia Polytechnic Institute and State University, and is a graduate of U.S. Army War College.

Kessler leaves positions in Utah to take up her duties on the New Perspectives staff. She was National Wildlife Ecologist for the Forest Service as well as associate research professor at Utah State University in Logan. Her previous stations include Alaska and Moscow, Idaho, where she was a professor at the University of Idaho. Kessler has bachelor's and master's degrees from the University of California/Berkeley, and a Ph.D. from Texas A&M University.

Dr. Salwasser's envisions that New Perspectives will bring scientists and managers together with people who depend on forests and rangelands for their livelihoods and quality of life. The 5-year program will involve universities, industries, and environmental groups from around the country in a wide array of activities to develop and demonstrate ways to manage resources while securing healthy ecological conditions, he explained.

New

Perspectives

# New Perspectives in Multiple-Use Management

*Sustaining all the Values and Uses*

## A MULTIPLE-USE NATIONAL FOREST OR GRASSLAND

Meets people's needs;

Sustains basic resources such as soil, water, air, and biodiversity;

Is resilient under stress such as global climate change, fires, disease, and epidemics of insects;

Protects sensitive resources such as animal migration routes, streamsides, old-growth forests, archeological and historic sites, unique biological communities, and wetlands; and

Looks healthy, with diverse forest, shrub, or grass cover wherever appropriate, including abundant mature vegetation.

## MANAGING A MULTIPLE-USE NATIONAL FOREST OR GRASSLAND MEANS

PARTICIPATION — People participate fully and continuously in the decisions that affect them, including decisions about desired future conditions of forests and rangelands;

INTEGRATION — Because all things are interconnected within forest and range ecosystems, all values and desired uses of the land and its resources are integrated in decisions and activities;

SUSTAINABILITY — Activities proceed "without impairment of the long-term productivity of the land" and have results that are environmentally sensitive, aesthetically acceptable, and ecologically sustainable; and

COLLOBORATION — Scientists, managers, partners, educators, and communicators collaborate in testing new ideas, applying current knowledge and technologies, and learning from the responses to management activities.

## MULTIPLE-USE MANAGEMENT PRACTICES

MEET PEOPLE'S NEEDS for desired resource values and uses while sustaining healthy ecosystems and, thereby, healthy economies;

DO NO HARM by protecting the most sensitive ecological elements and processes from degradation;

HEAL THE WOUNDS by helping to recover endangered species and restoring damaged areas;

RENEW THE LAND with diverse plant and animal communities following resource removal or natural events; and

PROVIDE OPPORTUNITIES for interested publics, partners, scientists, and managers to contribute to and learn from all they do with the land.

# FOREST NEWS

## Idaho Centennial Float

***Days of sun and exciting whitewater. Nights spent under the stars. And a chance to spread the word about the Forest Service on a stretch of river that starts and ends in Idaho.***

That's how Rogers Thomas, North Fork District Ranger on the Salmon National Forest, saw the Idaho Centennial commemorative float trip. As the North Fork District administers about 130 miles of the Salmon "river of no return," Rogers was part of the float trip from Stanley to Riggins and used that opportunity to "sell" river management. In fact, he came prepared to give interpretive talks at the nightly campfires.

The Idaho Outfitters and Guides Association initiated the float trip to show people some of Idaho's history. The Association sold seats for one day or the entire two-week float trip.

*A replica of the wooden scows "Captain" Harry Guleke used to float passengers down the treacherous river in the late 1800's.*

Bob Smith, Salmon, built two replicas of the wooden scows "Captain" Harry Guleke used to float passengers down the treacherous river in the late 1800's. The scows were flat-bottomed, 8 feet wide and 30 feet long. Large sweeps were mounted at either end to steer the vessel. For 40 years, Guleke-type boats were used on the river.

Rogers and his Bureau of Land Management counterpart Pete Sozzi rowed the two interagency rafts along with Forest Service Boatperson Linga "Rabbit" Smith and River Manager Troy Cooper.

A hot pink raft was part of Rogers' equipment but he left it at the North Fork Ranger Station before the trip entered the Wilderness. That's because he advocates neutral tones for trips into the back country. The raft was on loan from the Moravia Corporation.

Agency plans were not modified for this event. Rogers said the number of boaters that went into the "permitted" section of the river were kept to a minimum. His earlier concerns about the trip attracting hovering helicopters with eager news media never materialized.

"Running the river with a scow is a lost art," Rogers said, "but the guides on this trip were the best Idaho has to offer.

Several trial trips had been made down the river yet during the Centennial tour Chittam Rapid, above Riggins, proved frightful. High water levels caused the big rapid to be at its most dangerous. The rapid has lateral waves that a boat has to "punch through" or risk being kicked into a wall. The river bends right at the rapid and a rock wall greets you on the side. "You either make it or you don't," Rogers said. On the lead scow, both guides lost their grips on the sweeps but were able to catch them at the last minute. The second scow made a 180 degree turn as it shot through Chittam. Fortunately, the trip leader recognized the danger of the approaching rapids and had the guests taken off the scow and jet boated to Riggins.

The whole trip was filmed by Ricker's Film Production, a private company out of Boise, under a contract with the Forest Service and Bureau of Land Management. Eventually, a training film for river guides will be made by the two agencies. A writer from National Geographic was part of the entire trip.

Cheryl Buchta
Volunteer
Salmon National Forest

# Project Lightning Open House

After completing two draft environmental impact statements and one environmental assessment in less than 6 months, the Project Lightning Team invited guests from across the northwest to an open house. More than 100 people from private organizations and state and federal agencies came to hear about the Team's experiences and accomplishments in planning recovery for the Warm Lake and Lowman fire areas on the Boise National Forest.

Most visitors wanted to learn everything they could about Project Lightning to help them with future planning teams. The open house provided just the right environment for good, one-on-one interchanges.

Discussions keyed on three aspects of Project Lightning: (1) The team approach which capitalized on the strengths of the team members. This resulted in improved productivity, high quality resource management, excellent customer service, and a greater sense of employee responsibility and commitment to project completion. (2) The unusual approach to public alternative development workshops which strengthened trust and ownership in land management decisions. (3) Implementation and operation of a Geographic Information System and new approaches to streamlining the NEPA process.

It seemed to be the consensus that future large scale projects will benefit from the information exchange that took place during the Project Lightning open house. As Dave Ellen said, "The trip to Boise was well worth my time. I learned a lot that will help me evaluate roadless areas on the Mount Hood National Forest."

Jeanne Felmy
Project Lighting
Boise National Forest

*Don Dittmer, Resource Facilitator, explains how GIS map layers are used in the analysis process.*

*Video and photo displays demonstrate wildfires, damaged resources, and emergency rehabilitation efforts.*

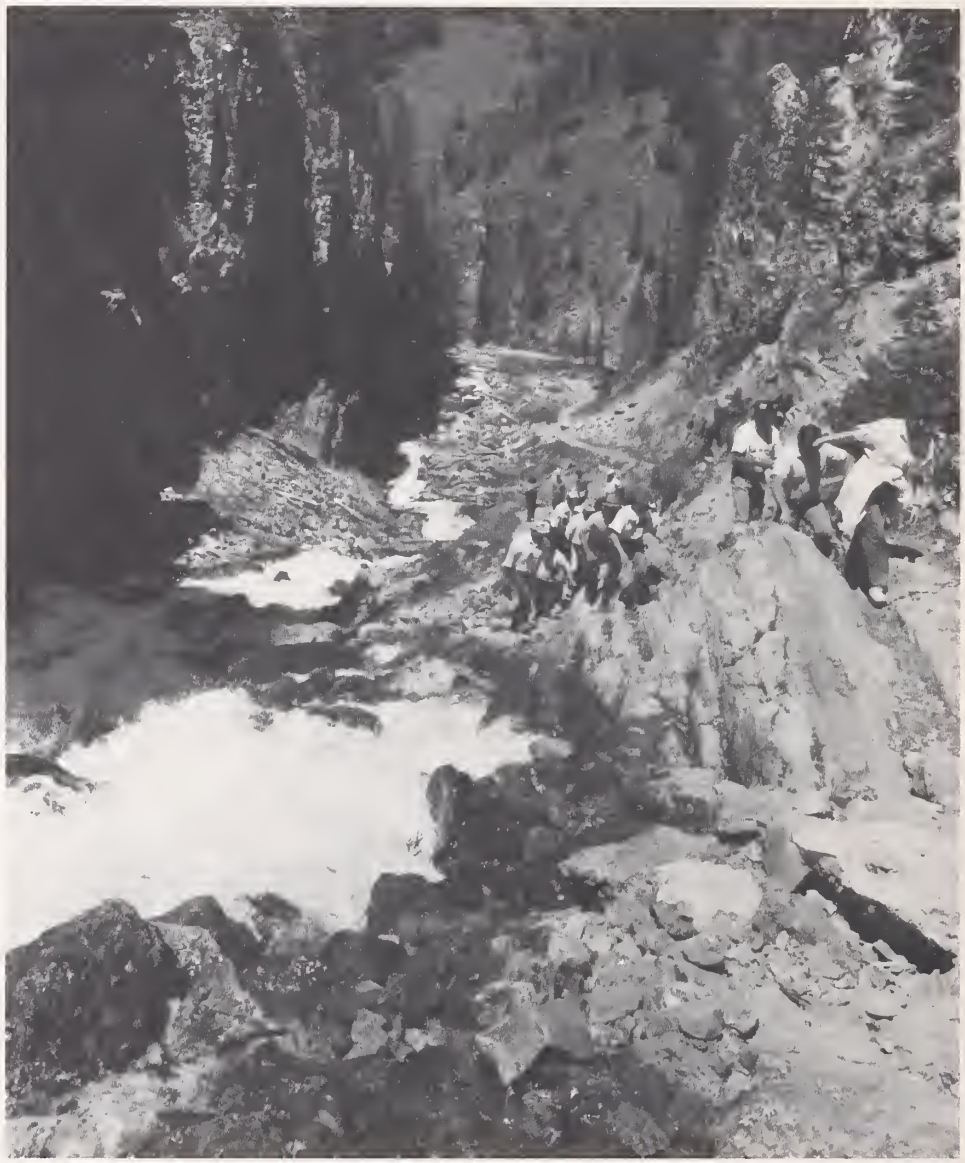
*The GIS computerized displays are a highlight of the open house.*

# A Spring that Breathes

The only cold water geyser in North America and one of only three known to exist in the world is five miles east of Afton, Wyoming, in Swift Creek Canyon on the Bridger-Teton National Forest.

During late summer, Periodic Spring (also known as Intermittent Spring) produces a torrent of clear, ice cold water which regularly cycles on and off every 12 to 18 minutes. This is no small seep. The volume of water produced by the spring nearly doubles the volume of Swift Creek as water gushes out of a sheer ledge and cascades down a steep hillside to the creek below. Suddenly, the spring's flow completely stops allowing visitors to look back into a limestone cavern through which the water travels. After 18 minutes, an icy blast of cold air signals it is time for the spring to resume its flow.

The thing that makes this geologic feature so unique is that unlike the more famous geysers in Yellowstone, this geyser has no hydrothermal energy source. There is no sulphur smell and the water is cold enough to cause a headache. The accepted theory is that this geyser is created by a syphon mechanism from the caverns in the Madison limestone of the Salt River Range. An underground reservoir charges with water from the anticline aquifer above until it completes the syphon through an "S"-shaped passage leading to the outside world. The syphon is able to empty the "tank" faster than it recharges and the spring runs until the syphon is broken. The low spot in the plumbing of the cavern leaves enough water in the system to reconnect the syphon as the underground reservoir refills and begins to overflow. And the cycle repeats . . . and repeats . . . every 12 to 18 minutes.



*The discharge from Periodic Spring nearly doubles the volume of Swift Creek.*

In 1957, the City of Afton was given a special use permit to collect a small portion of the spring's discharge for a dependable municipal water supply. That meant citizens enjoyed some of the best tasting drinking water in the country. In developing the water system, the city built a low standard jeep road from the end of Swift Creek Road to the spring. This road was closed to all but occasional maintenance vehicles and served as an easy 3/4-mile hiking trail that was popular with local folks and out-of-town visitors who came to see this geologic wonder and sample nature's finest beverage.

But Old Mother Nature had a few surprises up her sleeve. In 1984, a natural landslide sent hundreds of yards of red mud and boulders to the canyon bottom about half way

between the trailhead and Periodic Spring. This buried the trail and dammed the creek, creating a new 3-acre lake. To get to the spring, you now had to use a steep pack trail high on the north side of the canyon.

It was definitely not an easy hike any more and the city couldn't get in to maintain its water system.

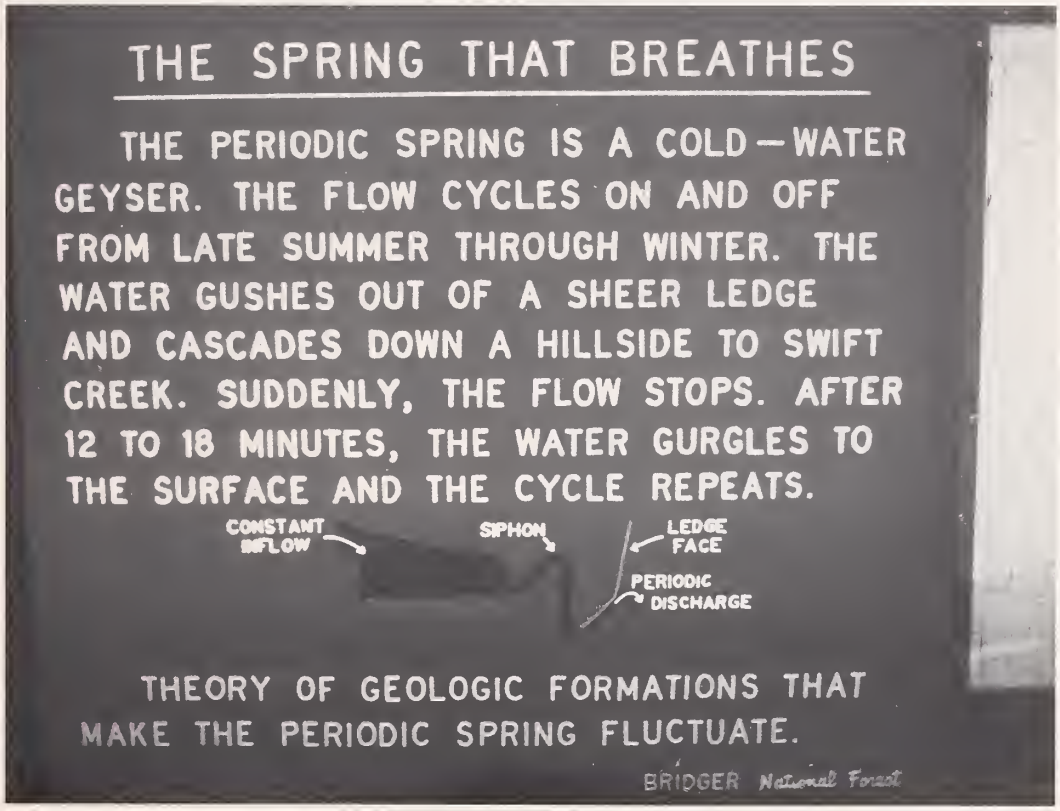
The District's reaction was to get some equipment up there, breach the dam, drain the lake, fix the road and correct the problem. That took care of everything . . . right? Well, not exactly, because within 3 weeks Mother Nature sent another load of fill from above and repaired her dam, reburied the trail and the lake was back, bigger and better than ever. The strategy this time was to figure out a way to work with Mother Nature (or at least around her), but not against her.

The decision was to utilize as much of the existing trail as possible with a little new trail built around the obstacle. This also meant building three-foot bridges to get back and forth across the creek to work around the slide and topographic features of the canyon. The first two bridges were easy because materials were hauled to the construction site in a truck. The third bridge was more of a challenge. A natural dam and 200 yards of lake stood between 800 pounds of steel stringers and the bridge location. The solution was a barge built from welding six 55-gallon barrels together that floated the materials to the opposite end of the lake where a draft horse and a set of bogey wheels moved the stringers up the old road to the bridge site.

The road to the trailhead now has new surfacing, a new automotive bridge, and improved parking at the trailhead. Users once again have a good trail to one of the unique natural wonders of the West thanks to ingenuity, the Bridger-Teton's South Zone Engineers and the Greys River SCSEP Crew.

John E. Newcom
Greys River District Ranger
Bridger-Teton National Forest

*This interpretive sign at the Afton Tourist Park shows how Periodic Spring works. Photo courtesy of the Star Valley Independent.*



# FOREST NEWS

## Lamoille Canyon Scenic Byway Dedication

Lamoille Canyon is a "must see" area for residents and visitors to the Elko area. Its beauty is a big surprise to those who think of Nevada as a dry, desert wasteland.

The Canyon may have even greater appeal now the Lamoille Canyon Road has been dedicated as a Scenic Byway. The only other Scenic Byway in Nevada is a four-mile section of Carson Pass on the Toiyabe National Forest.

On hand for the June 22 dedication ceremony were Ernie Hall, Elko County Commissioner; Dale and Audrey White, owners of the local Plymouth dealership; John Inman, Humboldt Forest Supervisor; and Mont Lewis, Ruby Mountains District Ranger. The scenic byway sign was purchased with grant funds from the Plymouth Division of Chrysler Motors.

The Lamoille Canyon road was constructed in the 1930's by the Civilian Conservation Corps. It was improved, paved and extended farther up the canyon in 1974. The road winds for 12 miles through the Humboldt National Forest and ends at an 8,800-foot elevation in a turnaround parking area at the head of the Canyon.

What's in store as travelers wend their way along this Scenic Byway? They will see a beautifully rugged, glacial canyon with three perennial streams, sheer rock cliffs, ribbonlike waterfalls and a variety of native wildflowers. Because of its beauty, Lamoille Canyon has been featured in Sunset Magazine and Nevada Magazine.

Recreational pursuits available in the canyon are backpacking, horseback riding, camping, day hiking, fishing, hunting, photography, nature observation, bicycle riding, cross-country skiing and snowmobiling. There are 2 Forest Service campgrounds, 2 picnic areas, 3 trailheads, 12 summer homes, and a privately operated group camp on National Forest lands within the canyon. For those who want to learn more about the geology, history and ecology of the canyon, a self-guided auto tour and the nature trail will help.

Lamoille Canyon has been referred to as the "Gem of Northeastern Nevada." Now the road is a Scenic Byway, more will travel there to enjoy all that is offered.

Cheri Howell
Humboldt National Forest

*Ready for a drive down the Lamoille Canyon Scenic Byway is a Plymouth Voyager and (left to right): Ernie Hall, Elko County Commissioner: Mont Lewis, Ruby Mountains District Ranger; John Inman, Humboldt Forest Supervisor and Audrey and Dale White, owners of the local Plymouth dealership.*

## Editorial Policy— *Intermountain Reporter*

The following editorial policy reflects the Regional Forester's desire to produce a quality Regional newsletter that enhances internal communications and helps make the Intermountain Region a good place to work.

1. Articles in the Intermountain Reporter will feature people.
2. Each issue will attempt to contain something about each National Forest within the Region.
3. The Regional Forester's message will express his current feelings regarding situations within the Region.
4. The content of the Reporter will be consistent with Forest Service policy.
5. All submissions must be delivered to the Editor by the 10th of the month prior to the desired publication date.
6. Articles should be sent to the Editor on DG (Editor:R04A). Photos to accompany text may be sent to the Editor separately.
7. Articles should not exceed 800 words in length.
8. Photos should be black and white.
9. All articles are subject to editing.
10. Not all articles that are submitted will be printed.
11. The Editor has final say over content.

# Information Packet Experiment Started

Coming soon to a District near you is a green, nylon packet containing answers about recreation in and around the Fishlake National Forest. It can be put to use when you are stopped along a road and asked about all-terrain vehicle restrictions, firewood gathering areas, length-of-stay requirements, or any one of the many questions our customers ask. They should be a useful item to have in vehicles, visitor centers, and other use areas. They are a tool for working with our customers.

The Forest obtained 80 of the green bags from the Regional Office through Andy Godfrey's membership on one of the Regional Frontliner Quality Improvement Teams. This team is experimenting with ways to improve customer service through a team approach. One way to do that is to provide information about recreation opportunities to more than just receptionists.

A second part of the team approach is to involve several people in accumulating information. In this instance, Cindy Kesler gathered information about campgrounds and dispersed recreation areas on the Forest while other employees in the Supervisor's Office compiled other types of Forest information. Beth Edmonds assembled the information and used her desk top publishing skills to produce the finished product. Together they produced a Fact and Information booklet.

This booklet is the centerpiece of the information packet, but it is not all. The packet also contains the Forest Travel Map, Firewood Map and Mini Map, along with guides pointing out things to see and do on and off the Forest.

A distribution network is the third part of the team approach. Fulfilling that responsibility are: Sharon Robison for the Fillmore District; DeOna Oyler for the Loa District; Monty Cartwright for the Beaver District; and Ralph Smith for the Richfield District.

An important part of each packet, and the experiment, is the questionnaire. It is to be filled out by each person using the packet and returned to Andy Godfrey by the end of September. Completed questionnaires will be used to improve the information in the packets in coming years. The Regional Frontliner Quality Improvement Team will also use the questionnaire in assessing the results of the team approach.

TQM

If you haven't guessed yet, this Fishlake Frontliner information packet is a TQM project.

# *Life Tips* . . . ON THE WILD SIDE

"Wild is better" when it comes to the nutrient content of meat products. With today's emphasis on healthy eating, you may be interested to know that the game you bag this fall may contribute to your family's well being. That is if they eat what you kill.

The following table is the result of studies completed by Dr. Martin J. Marchello of North Dakota State University's Department of Animal Science. All values shown are for 100 grams of meat, which is equivalent to about 3.5 ounces. Beef, pork, lamb, chicken and turkey are also shown for comparisons.

| SPECIES | NUTRIENT | | | |
|---|---|---|---|---|
| | ENERGY (Kcal/100g) | PROTEIN (g/100g) | FAT (g/100g) | CHOLESTEROL (mg/100g) |
| Beef (USDA Choice) | 180 | 22.0 | 6.5 | 72 |
| Beef (USDA Standard) | 152 | 22.7 | 2.0 | 69 |
| Pork | 165 | 22.3 | 4.9 | 71 |
| Lamb | 167 | 20.8 | 5.7 | 66 |
| Chicken | 135 | 23.6 | 0.7 | 62 |
| Turkey (Domestic) | 146 | 23.5 | 1.5 | 60 |
| Wild Turkey | 163 | 25.7 | 1.1 | 55 |
| Pheasant (Domestic) | 144 | 23.9 | 0.8 | 71 |
| Wild Pheasant | 148 | 25.7 | 0.6 | 52 |
| Gray Partridge | 151 | 25.6 | 0.7 | 85 |
| Dove | 145 | 22.9 | 1.8 | 94 |
| Snow Goose | 121 | 22.7 | 3.6 | 142 |
| Canada Goose (4-6 lbs.) | 171 | 22.7 | 3.9 | 105 |
| Canada Goose (6 lbs.) | 131 | 21.6 | 0.8 | 102 |
| Mallard | 152 | 23.1 | 2.0 | 140 |
| Wigeon | 153 | 22.6 | 2.1 | 131 |
| Shoveler | 168 | 22.1 | 3.6 | 188 |
| Pintail | 151 | 22.9 | 2.7 | 157 |
| Blue-winged Teal | 156 | 22.0 | 2.8 | 120 |
| Redhead | 154 | 21.6 | 2.7 | 194 |
| White-tailed Deer | 149 | 23.6 | 1.4 | 116 |
| Mule Deer | 145 | 23.7 | 1.3 | 107 |
| Elk | 137 | 22.8 | 0.9 | 67 |
| Moose | 130 | 22.1 | 0.5 | 71 |
| Antelope | 144 | 22.5 | 0.9 | 112 |
| Squirrel | 149 | 21.4 | 3.2 | 83 |
| Cottontail | 144 | 21.8 | 2.4 | 77 |
| Jackrabbit | 153 | 21.9 | 2.4 | 131 |

*From the Delaware Cooperative Extension*

## SPECIAL INTEREST

# Roll Your Own Destiny

*"To every thing there is a season . . .: A time to be born, and a time to die; . . . a time to kill, and a time to heal; a time to break down and a time to build up . . . ."*

*—Old Testament, Ecclesiastes 3:1-8, 11*

The quotation gives rise to questions concerning control over personal destinies. Are our fates sealed or can we, by our actions, alter our timetables? Can we prolong our time to live?

Almost simultaneously, three individuals in the Intermountain Region recorded events in their lives that were affected by some conscious efforts to extend their productive years.

A few years ago, Joyce and Blaine Molyneaux both worked in the Regional Office. When a blood cholesterol screening was made available to employees, both participated. Blaine willingly and Joyce not so willingly. At that time, she believed only heavy people had high cholesterol and she wasn't overweight—besides she wasn't crazy about having her finger pricked.

Test results showed that Blaine's cholesterol level was in a desirable range. To everyone's surprise, Joyce's cholesterol level was high. This was frightening because her mother had had a slight stroke at Joyce's present age. Joyce immediately scheduled a complete blood draw at the Weber County Health Department where her HDL's and LDL's were measured and the problem confirmed. A registered nurse there spent time with Joyce discussing dietary changes and the importance of exercise in lowering her cholesterol. That 1 1/2 miles she had walked every day for several years just hadn't done the job.

When Jennifer Preslar was hired as a fitness coordinator for the Regional Office in April 1989, she offered a Total Life Concepts Microfit Fitness Test followed by a personal consultation to discuss results and ways to reduce body fat and cholesterol and to increase muscle strength. That test revealed that Joyce's body fat was also high. Upon Jennifer's advice, Joyce launched into an exercise program that included aerobic walking, stretching and some weights. Although Blaine didn't have a body fat problem, he supported Joyce by walking with her and encouraging her to periodically increase her distance.

Winter came with its cold and slushy roads. Not really an enticement to outdoor walking, so the Molyneauxs purchased an air dyne bike. When Jennifer offered classes on reading labels and modifying menus, cooking processes and recipes to lower fat intake, Joyce was always in a front seat absorbing all the helps that were available. Few in the Regional Office took advantage of these learning opportunities.

Testing a year later showed Joyce had lowered her body fat by 5 percent and her cholesterol level by 40 points.

On June 4 of this year, soon after his retirement, Blaine had a heart attack and single by-pass heart surgery. There was no damage from the heart attack; the problem was one vein that was too small, something that runs in his genes. Here's where his healthy lifestyle paid off. Blaine's surgery time was much shorter than anticipated. He was out of ICU 24 hours earlier than planned and home 5 days after surgery riding the air dyne bike or walking 5 minutes three times a day. Three weeks later, he was exercising up to 22 minutes twice a day. He didn't even need structured physical therapy, although his home exercise was monitored by a therapist. This was a tremendous savings since the Molyneauxs' health insurance doesn't cover physical therapy.

# SPECIAL INTEREST

Because they learned about nutrition at work, the Molyneauxs did not need the nutritional classes offered heart patients. This saved Joyce's annual leave and it eliminated the energy and stress of traveling back and forth to classes at the hospital.

Blaine credits his fast recovery to prior participation in the Regional Office Wellness and Fitness Program but he does recommend that everyone have a stress and treadmill test yearly.

Joyce feels her emotional and physical strength through Blaine's crisis can be attributed to her physical condition. Blaine's 2 1/2-week hospital stay did not disrupt her exercise program. She walked every day, even if it was just three times around the hospital parking lot.

Blaine and Joyce unitedly endorse the Wellness and Fitness Program for reducing health risks and extending their time to live.

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Don Mulligan, Fire Prevention Technician on the Council Ranger District, Payette National Forest, writes:

*On June 17, while doing some paperwork during a detail to the Kyle Ranger Station on the Toiyabe National Forest, I suffered a mild stroke. The duration of speech loss was not too long; however, the loss of the use of my right arm was much longer. Full use came back in around 3 days.*

*A cat scan was run in the emergency room of the Vegas Hospital and the doctor in charge confirmed that it had been a stroke. I was released on the condition that I enter St. Lukes in Boise and receive further tests and examinations to determine exactly what had happened. After that was done, the doctor there said the only reason for such rapid recovery from a stroke was that I was in good physical condition. I credit that to the exercise program I had been following using weight equipment provided by the Forest Service.*

*So I am here to tell you that no matter how good your physical condition is, no one is immune from a stroke. However, by watching your diet and weight and by having a good exercise program, a person should be able to recover from a situation like this with less after effects than the average person.*

*By the way, I have noticed that visits to the District's fitness center have become less since the field season started and not much exercise goes on out there.*

When Don sent the above informal letter to District Ranger Phil Jahn, he added:

*I realize that you are my boss, but I also consider you a friend and, as a friend, I would like you to evaluate yourself, watch your diet and use the weight room on the District to its full potential. I do not have so many friends that I can afford to lose one who couldn't make the time to take proper care of himself. This applies to everyone on the District.*

*Joyce Molyneaux (right), Susan Haywood (center), Susan Rush and 95 other employees participate in a one-mile, lunch-hour walk sponsored by the Regional Office Fitness and Wellness Committee. The finishers will have a choice of fresh fruit as they return to work.*

# SPECIAL INTEREST

## Everyday Serving People

July 24, 1990

Mr. Duane Tucker
Forest Supervisor
Ashley National Forest

Dear Duane:

Last week I accompanied a group of high school science teachers, government employees, and mineral industry leaders on an energy and minerals field trip sponsored by the Colorado School of Mines. Our itinerary took us through the Ashley National Forest from Vernal to Manila. We stopped at the Red Canyon Overlook and we were well treated by personnel there.

Just 5 miles north of Manila, the bus ran out of diesel fuel. The driver was poorly equipped so I hitched a ride back to Manila and received excellent help from Mary Campbell, Bruce Glover, Debra Henk and Becky Catron.

The Flaming Gorge NRA staff was very much appreciated by me and the entire entourage. Several people commented later how impressed they were with the Forest Service . . . .

/s/ Charles J. Hendricks*
Director, Watershed, Soils and Minerals Area Management

*If the name sounds familiar, Chuck Hendricks was Forest Supervisor of the Caribou National Forest before moving to Region 2.*

Don Peterson
Boise District Ranger

June 18, 1990

Dear Mr. Peterson:

Final exams are over and our Natural Resources students are now scattered throughout the Northwest! Before we close down for the summer, I want to express the thanks of Treasure Valley Community College for the help the District has provided during the past year.

Fuels Specialist Glen Macy has been especially helpful. He worked with me very closely in making arrangements for my Fuels Management and Silviculture classes to take part in a prescription burn near Idaho City. When weather conditions forced the original plan to be abandoned, he located another area! Unfortunately weather once again forced a "no show." The classes did actually observe the proposed site and Glen very capably went over the basics of prescribed burning. Much was learned, even though the precise burning conditions were not available.

We do appreciate Glen's extensive fire and fuels knowledge! His approach to the process was very helpful. I also appreciate the special time and efforts Glen has expended for our students.

Sincerely,

/s/ Marvin L. Wolfe
Instructor of Natural Resources
Treasure Valley Community College
Ontario, Idaho

# New Publications

A **"Wildland Home Fire Risk Meter"** has been produced by the National Wildfire Coordination Group to give homeowners a basis for identifying hazards and taking preventive actions for homes built in and near the woods which are at risk from wildfires. The cost is $.49 and orders can be placed with the Boise Interagency Fire Center, 3905 Vista Avenue; Boise, ID 83705, or the Intermountain Research Station, 324 25th Street, Ogden, Utah 84401.

**"Fireline Blaster's Guidebook"** is designed for training purposes and field work using fireline explosives. It, too, can be ordered from the Boise Interagency Fire Center, 3905 Vista Avenue; Boise, ID 83705.

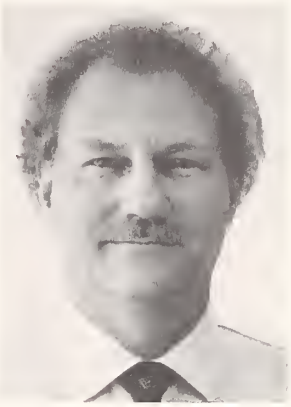
# The Newest Member of Our Leadership Team

Joining the Leadership Team of the Intermountain Region on September 9 is William "Steve" Werner, the new Director of Information Systems. That position was vacated earlier this year when Jim Haskell was promoted to Director of the Information Systems staff in the Washington Office.

Steve was born in Dallas, Texas, and received a liberal arts degree from the University of the State of New York. His extensive technical training in electronics, communications, and computer hardware and software came from 10 years with the U.S. Coast Guard and 21 years with the Forest Service. Before his current job as Branch Chief for Telecommunications in the Washington Office, he spent 9 years on the Apache and Apache-Sitgreaves National Forests in the Southwestern Region and 7 years in the Southern Regional Office in Atlanta, Georgia.

His off-duty hours have been filled with community and civic activities as he coached children's baseball and basketball, was president and treasurer of a hospital board, and held those same positions for a year-round AAU swim team.

When asked what he does for fun, Steve replied that he plays golf and tennis, fishes, and has raised horses. He also holds a commercial multi-engine pilot's license and two instructor certificates.



*William "Steve" Werner, the new Information Systems Director.*

# Pat Sheehan Retires

Pat Sheehan, Director of Public Affairs in the Intermountain Region, retired on July 27 after 33 years of service. During that time he held many positions and had many noteworthy accomplishments, but the highest form of praise was voiced by many colleagues at a coffee-break in his honor the day of his retirement. The two comments that were heard repeatedly were: "Pat is a gentleman . . . always!" and "He cares about people." We were fortunate to have him as a Director for the last 16 years.

# Obituaries

**HALLIE L. COX,** 63, died Saturday, August 4, in North Ogden, Utah, following an extended illness.

Hallie was raised on a livestock ranch in southeastern Utah. During World War II, he served with the U.S. Navy. With a bachelor's and master's degree in range management from Utah State University, he went to work on the Fishlake National Forest. He was also a District Ranger on the Humboldt and Cache National Forests and was then assigned to the Toiyabe Forest's range staff. Returning to the Cache Forest, he was responsible for range, wildlife and watershed activities. He was Forest Supervisor of the Apache National Forest in Region 3, Assistant Director of Range Management in the Washington Office and retired in 1982 as Director of Range Management in the Intermountain Region.

**KARL J. SMITH,** 45, of Clinton, Utah, died Wednesday, August 1, of complications due to leukemia. Karl worked as a cartographer in the Regional Office Engineering staff.

**FLORENCE H. BELL,** 92, died July 30 in Ogden, Utah. She worked 22 years for the Forest Service in Washington, DC, and Ogden, retiring in 1965. She was an avid reader, gifted writer, and an accomplished seamstress, which were only a few of her many interests and talents.

**DEE THOMAS** passed away July 31 in Salt Lake City of cancer. He worked for the Fishlake National Forest as a hydrologist until his retirement in July 1985.

**DR. NEIL FRISCHKNECHT,** former INT scientist, died July 23 in Salt Lake City of cancer in the spine. He was either 72 or 73 and had been retired since 1980.

# PERSONNEL

TAKE PRIDE IN AMERICA

# National

***The Forest Service had four national two were from Region 4. A blue chose the winners after considering***

## VOLUNTEER PROGRAM ON LOGAN RANGER DISTRICT

Last summer, the Logan Ranger District put together a human resource program that reached out to as many varied age groups, interest groups and businesses as possible. The result was a volunteer program that accomplished 130 separate work projects beneficial to the District, yet provided people an opportunity to show their pride in America and learn about wise land stewardship.

Under the direction of Volunteer Coordinators Don and Arlene Younker, the District involved more than 1,750 volunteers who worked nearly 17,000 hours at an estimated value of nearly $130,000. Projects included the "Adopt-A" Campground, Lake, Trail, Cave, and Road programs; trail maintenance; construction of bridges, fences, trails and riparian area exclosures; fisheries habitat improvement projects; grubbing along the Tony Lake Dam site; several litter cleanup projects in Logan Canyon; and campground hosts.

Bobbie Cleave
Volunteer Coordinator

*The Younkers, Logan Ranger District Volunteer Coordinators, were notified they would travel to Washington with Chip Sibbernsen and Dave Baumgartner of the Logan Ranger District to receive their Take Pride in America Award at the White House.*

*A volunteer on the Logan Ranger District who helped earn the prestigious national Take Pride in America Award.*

## DEEP CREEK ACCESS TRAIL ON COUNCIL RANGER DISTRICT

For years, a choice fishing spot at the base of Hells Canyon Dam in the southwest corner of Idaho was accessed only by scaling a steep, often slippery, rock face. Now, with comparative ease, anglers follow the recently completed Deep Creek Access Trail to reach this spot on the Snake River that attracts both anglers and spawning steelhead.

"Something had to be done," said Council District Ranger Phil Jahn, Payette National Forest, as reports of injuries and close calls were reported by those who risked access in the pre-trail days. "Amazingly, no one was killed but a fisherman's

# TPIA Winners

***Take Pride in America Awards and ribbon panel headed by Barbara Bush 700 applications from 50 states.***

*A Marsing Job Corps student and instructor stack prefabricated steps for the Deep Creek Trail.*

*The steps of the Deep Creek Trail descend toward the base of Hells Canyon Dam.*

dog that fell 250 feet was not so lucky." The problem was that the District alone did not have the financial capabilities to make the trail safe for users.

But, with the help of cooperators, the job was done. And that job earned a TPIA award in ceremonies in Washington, DC.

There are many who earned a portion of this award as cooperation came from many sources. The Idaho Department of Fish and Game and Idaho Power contributed more than $60,000, plus some on-site assistance. Marsing Job Corps students spent 4,500 hours building steps, ramps, and staircases according to the plan specifications of Forest Service Engineer Dennis Marti. Forest Service Operations Leader Jim Fry helped engineer a system of cables to ferry supplies across the face of the cliff. How else would the 37,008 pounds of steel that Council resident Roy Mocaby spent days transporting to the area have reached the trail site?

All the materials were in place when the 321st Engineer Battalion of the U.S. Army Reserve arrived on the scene. By the end of the Battalion's 2-week training period, Company A had contributed 6,004 person hours and 320.5 equipment hours; a donation equivalent to $55,051.

Capping off the list of cooperators was the media whose keen interest culminated in a news chronicle that kept the public informed about project development. The producers of "Outdoor Idaho" were so enthusiastic about the trail, it became the subject of an in-depth television documentary.

When the trail was dedicated on September 9, 1989, it received a Lasting Legacy Trail designation from the Idaho Centennial Commission. Many shared feelings of satisfaction as eager steelhead anglers initiated the trail.

Heidi Bigler
Payette National Forest

# PERSONNEL

## Awards

**REGIONAL OFFICE**

**Cash**

KAREN S. CLARK - For achieving a high standard of excellence in providing support services to the Region 4 Public Affairs Office.

KEITH SCHNARE received a certificate for his tenth speech in Speakeasies at an Engineering Family Meeting on July 25.

**BOISE NATIONAL FOREST**

**Cash**

GREG SPANGENBERG, Land Use Planning Specialist, SO - For outstanding leadership in the organization of the National Winter Sports Planning Workshop, April 1990.

CHARLES VAUGHN, Forestry Technician, Lowman RD - For superior performance in writing the proposal for the Deadwood ORV Trail and the Rocky Wagon Road ATV systems.

**Length of Service**

LARRY BROEKER, Geologist, SO-Minerals—10 years

DEANNA BENNET, Program Assistant, SO-Administration—10 years

CATHERINE ANDERSEN, Administrative Officer, SO-Engineering—10 years

WILLIAM GEER, Archeologist,SO-AFM&L—10 years

MARY GOODE, Accounting Technician, SO-F&A—10 years

ELIZABETH MARTIN, Accounting Technician, SO-F&A—10 years

DALE SWEARINGEN, Maintenance Worker, Lucky Peak Nursery—10 years

MEGAN TIMONEY, Forester, Idaho City RD—10 years

MARIANNA BILBAO, Support Services Supervisor, Cascade RD—10 years

JOSEPH FROST, Forestry Technician, SO Planning and Programming—10 years

WILLIAM PATTON, Supervisory Soil Scientist, RWWR Staff—20 years

ROBERT CARPENTER, Supervisory Range Conservationist, Boise RD—20 years

RUSSELL NEWCOMB, Criminal Investigator, SO-Administration—30 years

CHARLES HARDY, Administrative Officer, SO—30 years

TRUMAN PUCHBAUER, Supervisory Forester, Timber—35 years

**CARIBOU NATIONAL FOREST**

**Cash**

KEN KLINGENBERG, Forestry Technician, Montpelier RD - For supervision of the tree wrapping station.

**FISHLAKE NATIONAL FOREST**

**Cash**

CYNTHIA KESLER, Forestry Technician, Beaver RD - For superior performance substantially exceeding the normal requirements during completion of the District's OG Computer Trails Inventory and Frontliner Program and Packet.

ROBERT L. STEVENS, Range Technician, Fillmore RD - For willingly accepting extra duties and responsibilities during the absence of a GS-11 Supervisory Range Conservationist and performing those duties in a very professional manner.

**Certificates of Appreciation**

CYNTHIA KESLER, Forestry Technician, Beaver RD - For great work with volunteer organizations and for commitment to maintaining high quality recreation facilities.

FRED HOUSTON - Good Host 1989 Award for excellent cooperative work with law enforcement agencies, Utah Department of Transportation, and civic groups.

BEAVER RANGER DISTRICT - 1989 Good Host Unit for cooperative work with Fremont Park, Utah Department of Transportation, and the communities of Beaver and Circleville and for providing a fishing area for the handicapped at Little Reservoir Campground.

Fishlake National Forest Archeologist BOB LEONARD received the Utah State Historical Society's annual Antiquities Award on July 13 for his contributions to Utah history and prehistory. He was cited for outstanding personal effort, innovation and skill in interpreting, preserving and involving the public with Utah's cultural heritage. Some of Bob's accomplishments include filming and producing four video tapes relating to the prehistory of central Utah, helping develop several cooperative interpretive displays at the Fremont State Park and Museum and the interpretive rock art trail on adjoining National Forest lands, pioneering two innovative short-range radio transmitter systems to provide recreational and historical information to visitors, persuading the Forest Service to restore the 1911 Koosharem Guard Station and make it available for public use and interpretation, and initiating a cooperative study of Chief Walker's (Wakara) grave.

KENT TAYLOR, Fishlake National Forest Supervisor, has been installed as president of the Richfield Rotary Club.

**MANTI-LA SAL NATIONAL FOREST**

**Cash**

SHARON P. METZLER and STAN A. MCDONALD - For taking the "Extra Step" to organize and accomplish a 3-day tour of the "Cream Pots" area on the Monticello RD.

JOEL FRANDSEN, BRUCE ROBERTS, and JERRY SHAW - For taking the "Extra Step" in organizing an overnight fishing expedition for students of the Castle Valley Center during the Utah "Free Fishing Day."

**Length of Service**

PETER M. KILBOURNE - 10 years.

**PAYETTE NATIONAL FOREST**

**Cash**

LAURIE S. DOUGLAS, Forester, Council RD - For an outstanding job in planning, preparing, and appraising several salvage sales including Green Ranch C, D, and E, and Johnson.

ISAAC B. MARTINEZ, Salvage Technician, Council RD - For outstanding accomplishment in the Greenslip Timber Sale and working effectively with small timber purchasers.

MICHAEL O. CRAWLEY, Forester, and BILL K. FLORENCE, Sale Administrator, Council RD - For an outstanding job in accomplishing sale administration on the harvest of 54 million board feet in FY 1989.

TRACY B. BECK, Forester, Council RD - For outstanding performance in preparing and coordinating the Beaver-Joker Salvage Timber Sale.

STEVE DONNELLY, Forester, Council RD, and ERIN ROHLMAN, Forester, New Meadows RD - For continued high quality support to Forest Pest Management in evaluating/developing/adapting new bark beetle management strategies.

JOSEPH F. BATES, Supervisory Forestry Technician, New Meadows RD - For contributing expertise, experience, and lots of hard work in preparing and completing the District's spring burns the last two seasons enabling the District to meet its reforestation targets.

STEPHEN R. SCHMOEGER, Civil Engineering Technician, Council RD - For performance consistently about requirements.

JOSEPH F. BATES, Supervisory Forestry Technician, Mew Meadows RD - For the extra effort that resulted in successful management of the strategic and logistical challenges during the recordbreaking wildlife activity on the Forest in 1989.

GREG BECK, THOMAS PETTIGREW, JOHN FRESHWATER, and GARY MURPHY, Forestry Technicians, McCall Smokejumper Unit - For safe, effective and efficient service as a McCall smokejumper during a period of record fire activity.

KELLIE M. FORD, Engineering Equipment Operator Helper, SO-E - For involvement and participation in the engineering safety program.

NANCY BACON, Computer Assistant Typing and DEANNE FLEMMER, Business Admin. Trainee, SO; GAIL STILLMAN, Computer Assistant, New Meadows RD; and DALENE LEMBERES, Support Services Specialist, McCall Smokejumpers Unit - For dedication and diligence in developing and implementing the CEO electronic mail and file process on the Forest.

PHILIP M. GILMAN, Branch Chief of Public and Planning Information, SO - For outstanding and dedicated contributions to the Payette Civil Rights Day (July 1989) that resulted in employee participation and a total affirmative awareness of the program.

JOELLA BOLLAR, Resource Clerk, SO-TM - For a special effort to support the Lands staff in completing the Forest's Administrative Withdrawal Reviews.

THOMAS E. ELLISON, Reality Specialist, SO-E/Lands - For the extra effort in completing the Forest's Administrative Withdrawal Reviews.

KARAN WATERS, Hydrological Technician, SO-Watershed - For superior performance in managing watershed data and information including Boise sediment models and the Forest Water Rights Inventory.

**TARGHEE NATIONAL FOREST**

**Cash**

LYNN R. HANSEN, Surveying Technician, SO - For learning and efficiently using Autocad and Wildsoft surveying and mapping projects.

SHELBY JORDAN, Surveying Technician, SO - For exceeding assigned land line targets in addition to Mesa Falls topographic survey, Grand Targhee exchange and Snake River site survey.

ALAN R. SILKER, Supervisory Natural Resources Specialist, SO, and LYNN BALLARD, Assistant District Ranger, Teton Basin RD - For dedicated customer service in compiling information and completing categorical exclusion for Grand Targhee Resort in a very timely manner.

JOSEPH R. WELLER, Forestry Technician, Dubois RD - For an outstanding effort in reducing tree planting costs by 50 percent.

GREG MONTGOMERY, Forester, Dubois RD - For working with subordinate to reduce tree planting costs during 1990.

**Group**

RALPH HESKETT, JEFFREY LARSEN, JOHN ROSEBOROUGH, DELL RAY BURNSIDE, KENNY NELSON, SCOTT KIDD, ROBERT YOUNG, ROBERT COLE, GLENN DAVIS and FARREN CHRISTENSEN, Equipment Operators, SO - For completing large equipment shed under adverse conditions with no professional help on schedule (B) design and installing difficult attachment to tractor with savings in time.

**Intermountain Reporter**

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*Colleen Anderson, Editor*
*Susan McDaniel, Design and Layout*

# Roll Call

**REGIONAL OFFICE**

**Promotion**
RON FITZSIMONDS, Forester, TM, to Forester, RO R-10

**Reassignment**
THOMAS BEDDOW, A&FM, to Forester (Admin.), Olympic NF, R-6

**Retirement**
PATRICK J. SHEEHAN, Director, Public Affairs Office

**ASHLEY NATIONAL FOREST**

**BOISE NATIONAL FOREST**

**Promotion**
KEVIN NORWOOD, Forestry Technician, Boise NF, to Forestry Technician, Nez Perce NF

**Promotions in Place**
CHRISTOPHER LESCH, Forestry Technician, Mt. Home RD
RICHARD NEFF, Forester, Lowman RD
LISA VERNON, Civil Engineer, SO
FRED HERNANDEZ, Computer Programmer, SO
GAIL LYNCH, Forestry Technician, Cascade RD

**Reassignment**
RANDY WELSH, Forester, Boise NF, to Ogden District Ranger, Wasatch-Cache NF

**BRIDGER-TETON NATIONAL FOREST**

**Reassignment**
FRED KINGWELL, Quality Officer, SO, from Public Information Officer, SO

**CARIBOU NATIONAL FOREST**

**Promotion**
DAVID T. BULL, Range Conservationist, Hahns Peak RD, Routt NF, to Supervisory Forester, SO

**Promotions in Place**
DEBRAH K. TILLER, Landscape Architect, SO
JAMES BAILEY, Engineering Equipment Operator, SO

**CHALLIS NATIONAL FOREST**

**Promotions in Place**
CAROLYN DEE DEAN, Clerk Typist, SO
ROGER C. CHILSON, Forester, Yankee Fork RD

**DIXIE NATIONAL FOREST**

**Reassignments**
WILLIAM C. HIPP, Forester, Teasdale RD, to Forester, Pine Valley RD
JEFFRY G. BOTT, Supervisory Forester, Powell RD, to Forester, Teasdale RD

**FISHLAKE NATIONAL FOREST**

**Promotion**
MARCIA R. LAY, Access Clerk, SO, to Clerk Typist, SO

**Promotions in Place**
LOIS BROWN, Mail and File Clerk, SO
MIKE NIELSEN, Fire Technician/Dispatcher, SO
WARREN W. SORENSON, Forestry Technician, SO

**Reassignments**
DEL BARNHURST, Range Conservationist, Sanpete RD, Manti-La Sal NF, to Supervisory Range Conservationist, Fillmore RD
JOHN T. LOTT, Soil Scientist, Fishlake NF, to Soil Scientist, Caribou NF
DEBBIE C. PHILLIPS, Support Services Specialist, Beaver RD, to Administrative Officer, Snowmountain RD, Ochocho NF, R-6
FLORENCE KEHR, Support Services Specialist, Beaver RD, from Resource Clerk, Beaver RD
DANDY E. POLLOCK, Supervisory Forestry Technician, Flaming Gorge RD, Ashley NF, to Forester, Beaver RD
GINA PACK, Hydrologist, SO, to Hydrologist, Richfield RD

**Transfer In**
GILBERT GARCIA, Hydrologist, SO, from Bureau of Reclamation in Heber City, Utah

**HUMBOLDT NATIONAL FOREST**
JANET VALLE, Range Conservationist, Jarbridge RD, from the Santa Rosa RD

**MANTI-LA SAL NATIONAL FOREST**

**Promotion**
SUSAN K. HUFF, Payroll Clerk, to Personnel Clerk

**Promotion in Place**
CLAUDIA E. MOYNIER, Budget Analyst, SO

**PAYETTE NATIONAL FOREST**

**Appointments**
KELLY MARTIN, Lead Forestry Technician, New Meadows RD
ROBERT CHARLEY, Forestry Technician, Krassel RD
LISA ANTHONY, Forestry Technician, New Meadows RD
JUDY PUDERBAUGH, Forestry Technician, McCall RD
MONTE HURD, Forestry Technician, Weiser RD
NICOLE REINDEL, Forestry Technician, New Meadows RD
RICHARD REHBERG, Forester, New Meadows RD
ALLEN HERSEL, Survey Technician, SO-E
GERHARDT L. PHILLIPS, III, Forestry Technician, Krassel RD
ELIZABETH CLARK, Survey Technician, SO-E
MIKE COFFEY, Survey Technician, SO-E
DEBORAH PEARSON, Forester, New Meadows RD
JERRY KING, Lead Forestry Technician, Weiser RD
HEIDI BIGLER, Information Assistant, Council RD
LADDIE BATEMAN, Facilities Manager, Council RD
PATRICIA JACOBSEN, Information Receptionist, SO
LYNN BLEEKER, Forestry Technician, McCall RD

**Promotions**
RUTH MONAHAN, Forester, Challis NF, to District Ranger, Krassel RD
GREGORY BECK, Forestry Technician, to Lead Forestry Technician, McCall Smokejumpers
SCOTT ANDERSON, Forestry Technician, to Lead Forestry Technician, McCall Smokejumpers
ANDY LANG, Forestry Technician, to Supervisory Forestry Technician, New Meadows RD
CARLA KAMERDULA, Clerk Typist, McCall RD, to Personnel Clerk, SO
MARTIN FITZGERALD, Engineering Equipment Operator, SO-E, to Facilities Manager, SO
THOMAS BETZOLD, Survey Technician, SO-E, to Supervisory Land Surveyor, SO-E
DAN HORMEACHEA, Economist, SO, to Land Management Planner, SO

**Promotions in Place**
SHARI BOWLING, Computer Program Analyst, SO-ADM
TRONNIE LOSEKE, Budget Analyst, SO

**Reassignments**
MORGAN BEVERIDGE, Forestry Technician, Wayne Hoosier NF, to Supervisory Forestry Technician, New Meadows RD
CLARK LUCAS, Forester, New Meadows RD, to Forester, McCall RD
JIM DAVIS, Supervisory Forestry Technician, New Meadows RD, to Supervisory Forestry Technician, McCall RD
ERIN ROHLMAN, Forester, New Meadows RD, to Forester, McCall RD
SUNDI HOOD, Forestry Technician, New Meadows RD, to Forestry Technician, McCall RD
DENNIS BOLES, Civil Engineer, South Fork Project, to Civil Engineer, Fremont NF, R-6
ELAINE BOLES, Personnel Clerk, SO, to Personnel Assistant, Rogue River and Siskiyou NF's
THOMAS TOKOS, Communications Management Specialist, SO, to Communications Management Specialist, RO R-2

**Reinstatement**
DENNIS PEEBLER, Forestry Technician, McCall RD

**Resignation**
DONNA NYREHN, Range Conservationist, Weiser RD

**Retirement**
EARL KIMBALL, Krassel District Ranger

**Transfer In**
ALLISON SKEESICK, Land Surveyor, BLM in Alaska, to Land Surveyor, SO-E

**Transfer Out**
JAMES KNOX, Personnel Officer, SO, to Personnel Officer, BLM-BIFC in Boise

**SALMON NATIONAL FOREST**

**Appointments**
DIANE E. SCHULDT, Forestry Technician, Cobalt RD
PETER G. SCHULDT, Lead Forestry Technician, Cobalt RD

**Promotion**
GLENN SEABERG, Range Conservationist, Milford RD, Plumas NF, to Natural Resource Specialist, Cobalt RD

**Promotions in Place**
JAMES GILSDORF, Forester, Salmon RD
JAMES BAKER, Supervisory Civil Engineer, SO

**Reassignments**
GEORGE M. GONDER, Communication Specialist, SO, to Telecommunication Specialist, SO
MARK THRAILKILL, Communication Specialist Trainee, SO, to Telecommunication Specialist, SO

**SAWTOOTH NATIONAL FOREST**

**TARGHEE NATIONAL FOREST**

**Promotions**
WANDA ADAMS, Support Services Supervisor, SO, to Supervisory Management Analyst, SO
MARK D. GIACOLETTO, Lead Forestry Technician, Ashton RD, to Supervisory Forestry Technician, Ashton RD

**Promotion in Place**
MARION P. BOULTER, Information Assistant, SO

**Reassignments**
MELISSA M. JENKINS, Lead Forestry Technician, Ashton RD, to Lead Forestry Technician, Island Park RD
KIMBERLY L. NIELSON, Communication Specialist, SO, to Telecommunication Specialist, SO

**TOIYABE NATIONAL FOREST**

**Reassignment**
ANTHONY MARTINEZ, Electronics Technician, Willamette NF, to Electronics Technician, SO

**UINTA NATIONAL FOREST**

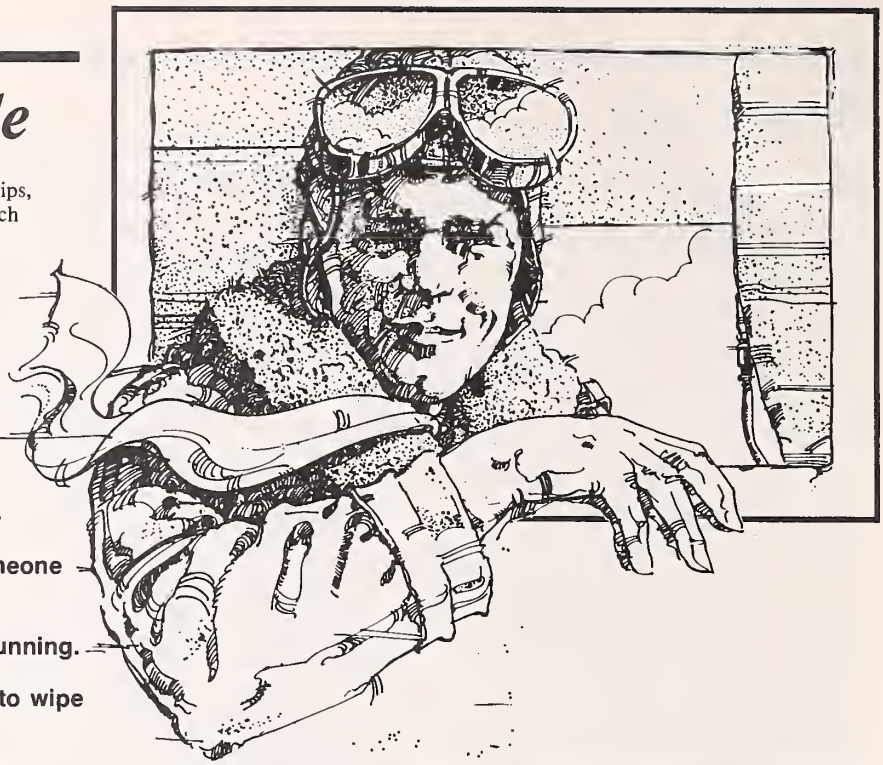
**Appointment**
FAYE QUARNBERG, Fire Operations Clerk, Pleasant Grove RD

**WASATCH-CACHE NATIONAL FOREST**

# HISTORY

## *Air Safety—1920 Style*

(We cannot vouch for the authenticity of the following safety tips, found pinned to the bulletin board of a National Forest dispatch center, but their self-reliant optimism made them irresistible.)



### U.S. AIR SERVICE OPERATIONS REGULATIONS—1920

1. Don't take the machine into the air unless you are satisfied it will fly.

2. Never leave the ground with the motor leaking.

3. Instead of turning short when taxiing have someone turn the tail around.

4. Never get out of the machine with the motor running.

5. Pilots should carry hankies in a hand position to wipe off goggles.

6. Riding on the steps, wings, or tail of an airplane is prohibited.

7. In case the engine fails on takeoff, land straight ahead regardless of obstacles.

8. Do not trust altitude instruments.

9. If you see another machine near you, get out of its way.

10. No machine must taxi faster than a man can walk.

11. Hedge-hopping will not be tolerated.

12. Before you begin a landing glide, see that no machines are under you.

13. No spins on back or tail slides will be indulged in, as they unnecessarily strain the machine.

14. Pilots will not wear spurs while flying.

15. If an emergency occurs while flying, land as soon as possible.

USAF Inspection Safety Center
Norton Air Force Base, California

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